

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"recording medium".clm. and (biological or biometric or fingerprint).clm. and registratation.clm. and authorizat\$3.clm. and compar\$3.clm. and "first time".clm. and read\$3.clm. and owner.clm.	USPAT	OR	OFF	2006/04/05 09:25
L2	0	"recording medium".clm. and biological.clm. and registratation.clm. and authorizat\$3.clm. and compar\$3.clm. and "first time".clm. and read\$3.clm. and owner.clm.	USPAT	OR	OFF	2006/04/05 09:27
L3	0	"recording medium".clm. and biometric.clm. and registratation.clm. and authorizat\$3.clm. and compar\$3.clm. and "first time".clm. and read\$3.clm. and owner.clm.	USPAT	OR	OFF	2006/04/05 09:26
L4	0	"recording medium" and biometric and registratation and authorizat\$3 and compar\$3 and "first time" and read\$3 and owner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/05 09:26
L5	28	"recording medium" and biometric and registration and authorizat\$3 and compar\$3 and "first time" and read\$3 and owner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/05 09:30
L6	0	"recording medium".clm. and biological.clm. and registration.clm. and authorizat\$3.clm. and compar\$3.clm. and "first time".clm. and read\$3.clm. and owner.clm.	USPAT	OR	OFF	2006/04/05 09:27
L7	510	713/186	USPAT	OR	OFF	2006/04/05 09:27
L8	7158	713/200 or 713/201 or 713/182 or 713/169 or 726/10 or 726/2 or 726/4 or 726/27	USPAT	OR	OFF	2006/04/05 09:29
L9	7416	8 or 7	USPAT	OR	OFF	2006/04/05 09:29
L10	0	9 and 5	USPAT	OR	OFF	2006/04/05 09:29

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L11	83	"recording medium" and biometric and registration and authorizat\$3 and compar\$3 and read\$3 and owner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/05 09:30
L12	1	11 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/05 09:30


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Relevance scale

**1 Identification and authentication when users have multiple accounts**

W. R. Shockley

August 1993 **Proceedings on the 1992-1993 workshop on New security paradigms**

**Publisher:** ACM Press

Full text available: [pdf \(788.71 KB\)](#) Additional Information: [full citation](#), [references](#)

**2 User authentication through keystroke dynamics**

Francesco Bergadano, Daniele Gunetti, Claudia Picardi

November 2002 **ACM Transactions on Information and System Security (TISSEC)**

Volume 5 Issue 4

**Publisher:** ACM Press

Full text available: [pdf \(351.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Unlike other access control systems based on biometric features, keystroke analysis has not led to techniques providing an acceptable level of accuracy. The reason is probably the intrinsic variability of typing dynamics, versus other---very stable---biometric characteristics, such as face or fingerprint patterns. In this paper we present an original measure for keystroke dynamics that limits the instability of this biometric feature. We have tested our approach on 154 individuals, achieving a F ...

**Keywords:** Biometric techniques, keystroke analysis

**3 Trust, recommendations, evidence, and other collaboration know-how (TRECK):**

**Component based trust management in the context of a virtual organization**

Yanjun Zuo, Brajendra Panda

March 2005 **Proceedings of the 2005 ACM symposium on Applied computing SAC '05**

**Publisher:** ACM Press

Full text available: [pdf \(288.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

One of the difficulties in evaluating the trustworthiness of an object in a virtual organization is the lack of sufficient information to study how the object was formed and to what level its components should be trusted. If a subject could be provided with detailed information about the ingredients of a compound object, then the subject would be able to evaluate the trust level of that compound object with higher confidence. This

paper introduces a scheme using labels associated with each objec ...

**Keywords:** information flow, recommendation, trust management, virtual organization

**4 Keystroke analysis of free text**

 Daniele Gunetti, Claudia Picardi

August 2005 **ACM Transactions on Information and System Security (TISSEC)**, Volume 8

Issue 3

**Publisher:** ACM Press

Full text available:  pdf(277.07 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Keystroke dynamics can be useful to ascertain personal identity even *after* an authentication phase has been passed, provided that we are able to deal with the typing rhythms of free text, chosen and entered by users without any specific constraint. In this paper we present a method to compare typing samples of free text that can be used to verify personal identity. We have tested our technique with a wide set of experiments on 205 individuals, obtaining a False Alarm Rate of less than 5&p ...

**Keywords:** Biometric techniques, identity verification, keystroke analysis of free text

**5 Access management for distributed systems: Peer-to-peer access control**

 architecture using trusted computing technology

Ravi Sandhu, Xinwen Zhang

June 2005 **Proceedings of the tenth ACM symposium on Access control models and technologies**

**Publisher:** ACM Press

Full text available:  pdf(215.48 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It has been recognized for some time that software alone does not provide an adequate foundation for building a high-assurance trusted platform. The emergence of industry-standard trusted computing technologies promises a revolution in this respect by providing roots of trust upon which secure applications can be developed. These technologies offer a particularly attractive platform for security in peer-to-peer environments. In this paper we propose a trusted computing architecture to enforce ac ...

**Keywords:** access control, policy enforcement, security architecture, trusted computing

**6 Application-layer mobility using SIP**

 Henning Schulzrinne, Elin Wedlund

July 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4

Issue 3

**Publisher:** ACM Press

Full text available:  pdf(1.34 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Supporting mobile Internet multimedia applications requires more than just the ability to maintain connectivity across subnet changes. We describe how the Session Initiation Protocol (SIP) can help provide terminal, personal, session and service mobility to applications ranging from Internet telephony to presence and instant messaging. We also briefly discuss application-layer mobility for streaming multimedia applications initiated by RTSP.

**7 Electronic commerce universal access device-the knowledge-acquiring layered infrastructure (KALI) project**

Theodore Chiasson, Carrie Gates

September 2000 **Crossroads**, Volume 7 Issue 1

**Publisher:** ACM Press

Full text available: [html](#)(35.92 KB) Additional Information: [full citation](#), [index terms](#)

**8 Securing a wireless network**



Jon Allen, Jeff Wilson

November 2002 **Proceedings of the 30th annual ACM SIGUCCS conference on User services**

**Publisher:** ACM Press

Full text available: [pdf](#)(129.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Driven by pressure to facilitate mobile computing, universities are plunging into wireless networking. Although wireless offers convenience and low-cost deployment, it lacks any inherent means of strong security. Common methods of securing wireless networks include WEP, VPN, MAC registration, IEEE 802.1x, and Firewalls. Each method offers some security, but at varying levels of complexity, convenience, cost effectiveness and completeness. Each security method has its own drawbacks.

**Keywords:** 802.11i, 802.1x, EAP-LEAP, EAP-MD5, EAP-TLS, EAP-TTLS, VPN, WEP

**9 A model of OASIS role-based access control and its support for active security**



Jean Bacon, Ken Moody, Walt Yao

November 2002 **ACM Transactions on Information and System Security (TISSEC)**,

Volume 5 Issue 4

**Publisher:** ACM Press

Full text available: [pdf](#)(352.06 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

OASIS is a role-based access control architecture for achieving secure interoperation of services in an open, distributed environment. The aim of OASIS is to allow autonomous management domains to specify their own access control policies and to interoperate subject to service level agreements (SLAs). Services define roles and implement formally specified policy to control role activation and service use; users must present the required credentials, in an appropriate context, in order to activate ...

**Keywords:** Certificates, OASIS, RBAC, distributed systems, policy, role-based access control, service-level agreements

**10 Protecting applications with transient authentication**



Mark D. Corner, Brian D. Noble

May 2003 **Proceedings of the 1st international conference on Mobile systems, applications and services MobiSys '03**

**Publisher:** ACM Press

Full text available: [pdf](#)(294.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

How does a machine know who is using it? Current systems authenticate their users infrequently, and assume the user's identity does not change. Such *persistent authentication* is inappropriate for mobile and ubiquitous systems, where associations between people and devices are fluid and unpredictable. We solve this problem with *Transient Authentication*, in which a small hardware token continuously authenticates the user's presence over a short-range, wireless link. We present the fo ...

 Columns: Risks to the public in computers and related systems 

Peter G. Neumann

November 2003 **ACM SIGSOFT Software Engineering Notes**, Volume 28 Issue 6

**Publisher:** ACM Press

Full text available:  pdf(124.63 KB) Additional Information: [full citation](#)

**12** Trust and traceability in electronic commerce 

 Dennis D. Steinauer, Shukri A. Wakid, Stanley Rasberry

September 1997 **StandardView**, Volume 5 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(46.16 KB) Additional Information: [full citation](#), [references](#), [citations](#)

**13** Risks to the public: Risks to the public 

 Peter G. Neumann

July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(151.77 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

**14** Privacy and security: an ethical analysis 

 Gregory J. Walters

June 2001 **ACM SIGCAS Computers and Society**, Volume 31 Issue 2

**Publisher:** ACM Press

Full text available:  pdf(1.98 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**15** Risks to the public: Risks to the public 

 Peter G. Neumann

May 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(177.67 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

**16** The bout of the century?: information ethics vs. E-commerce 

 Marsha Woodbury

June 2000 **Ubiquity**, Volume 1 Issue 18

**Publisher:** ACM Press

Full text available:  html(36.23 KB) Additional Information: [full citation](#), [index terms](#)

17 [Risks to the public: Risks to the public](#) □

 Peter G. Neumann  
January 2006 **ACM SIGSOFT Software Engineering Notes**, Volume 31 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(139.10 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

18 [Multi-agent systems and social behavior: A user-centric anonymous authorisation framework in e-commerce environment](#) □

 Richard Au, Harikrishna Vasanta, Kim-Kwang Raymond Choo, Mark Looi  
March 2004 **Proceedings of the 6th international conference on Electronic commerce ICEC '04**

**Publisher:** ACM Press

Full text available:  [pdf\(291.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

A novel user-centric authorisation framework suitable for e-commerce in an open environment is proposed. The credential-based approach allows a user to gain access rights anonymously from various service providers who may not have pre-existing relationships. Trust establishment is achieved by making use of referrals from external third parties in the form of *Anonymous Attribute Certificates*. The concepts of *One-task Authorisation Key* and *Binding Signature* are proposed to fac ...

19 [Columns: Risks to the public in computers and related systems](#) □

 Peter G. Neumann  
March 2004 **ACM SIGSOFT Software Engineering Notes**, Volume 29 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(165.39 KB\)](#) Additional Information: [full citation](#)

20 [Columns: Risks to the public in computers and related systems](#) □

 Peter G. Neumann  
March 2002 **ACM SIGSOFT Software Engineering Notes**, Volume 27 Issue 2

**Publisher:** ACM Press

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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

**1. Matching Tensors for Pose Invariant Automatic 3D Face Recognition**

Mian, A.S.; Bennamoun, M.; Owens, R.A.;  
[Computer Vision and Pattern Recognition, 2005 IEEE Computer Society Conference on](#)  
 Volume 3, 20-26 June 2005 Page(s):120 - 120  
 Digital Object Identifier 10.1109/CVPR.2005.490

[AbstractPlus](#) | Full Text: [PDF\(368 KB\)](#) [IEEE CNF](#)  
[Rights and Permissions](#)
**2. Validation and reliability estimation of a fingerprint image registration solution**

Desovski, D.; Gandikota, V.; Yan Liu; Yue Jiang; Cukic, B.;  
[Software Reliability Engineering, 2004. ISSRE 2004. 15th International Symposium on](#)  
 2-5 Nov. 2004 Page(s):306 - 313  
 Digital Object Identifier 10.1109/ISSRE.2004.46

[AbstractPlus](#) | Full Text: [PDF\(400 KB\)](#) [IEEE CNF](#)  
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**3. Principle component analysis and its variants for biometrics**

Tsuhan Chen; Yufeng Jessie Hsu; Xiaoming Liu; Wende Zhang;  
[Image Processing, 2002. Proceedings. 2002 International Conference on](#)  
 Volume 1, 22-25 Sept. 2002 Page(s):I-61 - I-64 vol.1  
 Digital Object Identifier 10.1109/ICIP.2002.1037959

[AbstractPlus](#) | Full Text: [PDF\(316 KB\)](#) [IEEE CNF](#)  
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**4. On the isolation of spectacles from faces for the recognition of facial expressions and personal identifications**

Muraguchi, T.; Ebine, H.; Ikeda, M.; Nakamura, O.;  
[Electrical and Computer Engineering, 2002. IEEE CCECE 2002. Canadian Conference on](#)  
 Volume 2, 12-15 May 2002 Page(s):926 - 933 vol.2  
 Digital Object Identifier 10.1109/CCECE.2002.1013067

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